

Title (en)

Objective lens for optical pickup apparatus and recording/reproducing apparatus

Title (de)

Objektivlinse für optisches Abtastgerät und Aufzeichnungs-/Wiedergabegerät

Title (fr)

Objectif pour appareil de lecture optique et appareil d'enregistrement/reproduction

Publication

EP 1376186 A1 20040102 (EN)

Application

EP 03253903 A 20030620

Priority

JP 2002184249 A 20020625

Abstract (en)

An objective lens (3) for use in an optical pickup apparatus (1) has two positive lenses, a first lens (3a) arranged at the light source side and a second lens (3b) arranged at the information recording medium side and the objective lens comprises a first optical surface located at the light source side of said first lens (3a) and a third optical surface located at light source side of said second lens (3b), both being aspherical and said objective lens (3) satisfies a set of formulas. <IMAGE>

IPC 1-7

G02B 13/18; **G02B 3/04**

IPC 8 full level

G02B 13/00 (2006.01); **G02B 13/18** (2006.01); **G11B 7/135** (2006.01); **G11B 7/1374** (2012.01); **G11B 7/1392** (2012.01); **G11B 7/1372** (2012.01)

CPC (source: EP KR US)

G02B 13/18 (2013.01 - KR); **G11B 7/1374** (2013.01 - EP KR US); **G11B 7/13922** (2013.01 - EP US); **G11B 2007/13727** (2013.01 - EP US)

Citation (search report)

- [A] EP 0863502 A2 19980909 - SONY CORP [JP]
- [A] WO 0227715 A1 20020404 - MATSUSHITA ELECTRIC IND CO LTD [JP], et al
- [AD] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 10 31 August 1998 (1998-08-31)
- [AD] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 12 29 October 1999 (1999-10-29)

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